

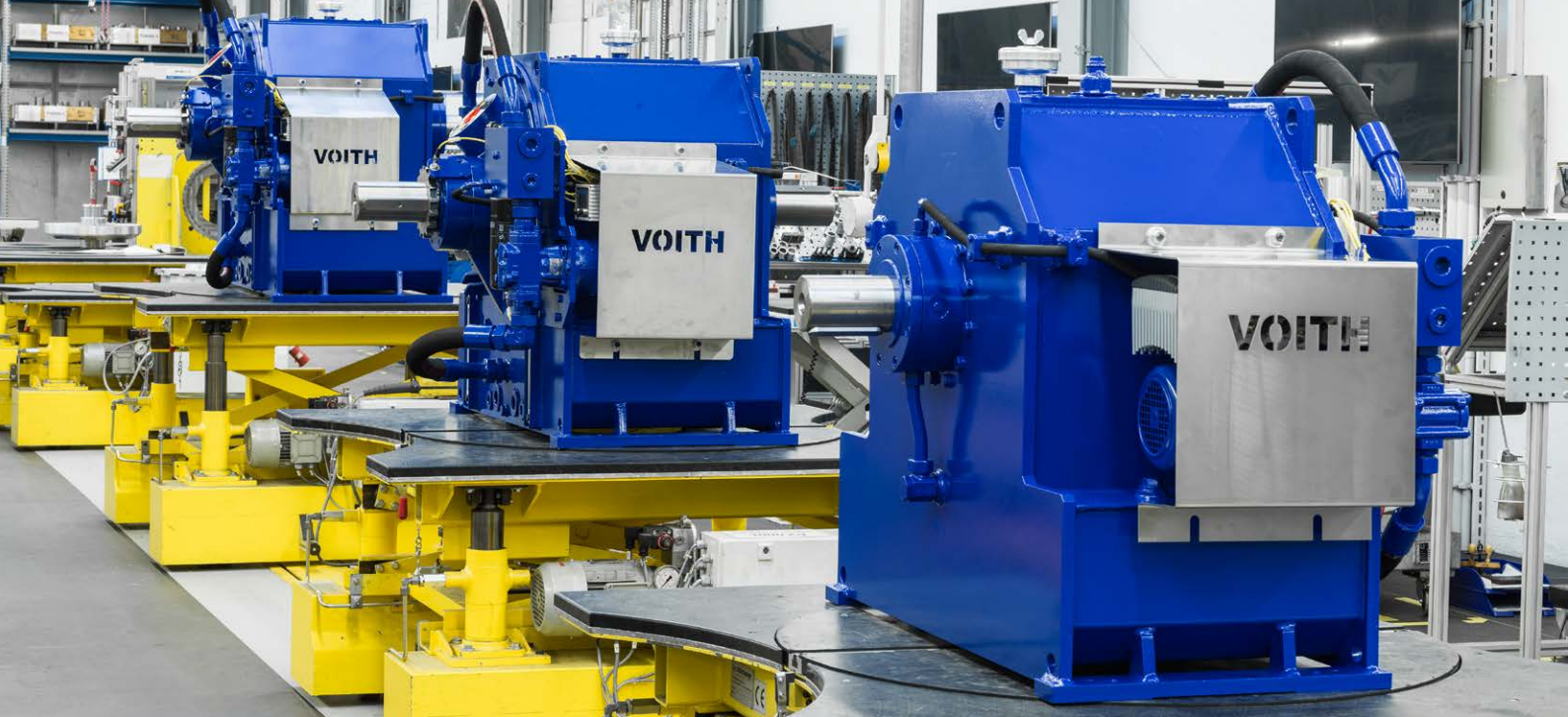


Intelligent. Reliable. Efficient.

Voith TurboBelt TPXL family

The increasing need for raw materials places continuously growing demands on conveying capacity in mining. With double the power transmission capability in the same installation space, the Voith TurboBelt TPXL family is specifically designed to meet the requirements of belt conveyor drives.

Voith offers a fill-controlled fluid coupling providing wear-free power transmission with a precise, easy-to-use torque control. Its compact design paired with the integrated control logic makes it a highly efficient drive solution. Rugged, robust and compact, the TurboBelt TPXL family is engineered to the highest standards for greater availability and reliable operation.

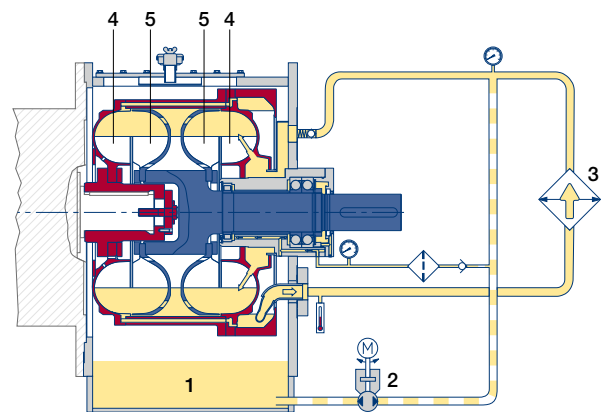


TurboBelt TPXL at a glance

Your benefits

- + Mechanical protection of all conveyor components
- + Up to 98.5 % efficiency
- + Innovative speed & torque control logic
- + Lower commissioning time & cost
- + Easy installation & handling
- + Self-diagnosis functions & remote maintenance
- + Reliable operation even in harsh environments
- + Seamless integration into plant control system
- + Reduced maintenance costs of drives
- + Increased production capacity

Sectional drawing of a TurboBelt TPXL coupling



- | | |
|----------|------------------|
| 1 Tank | 4 Pump wheels |
| 2 Pump | 5 Turbine wheels |
| 3 Cooler | |

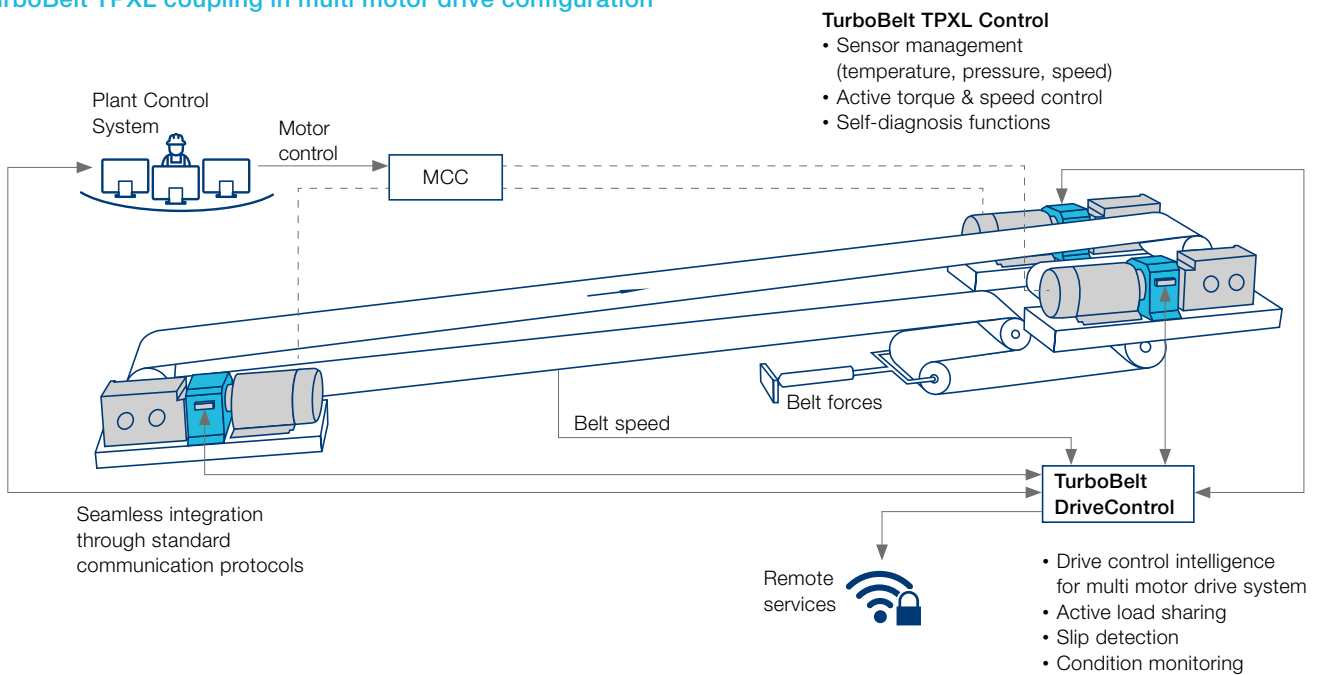
Technical data

| | |
|---------------------------|--|
| Start-up time | 60 seconds up to several minutes |
| Control | TurboBelt TPXL Control |
| Thermal capacity | Active cooling, unlimited starts |
| Thermal monitoring | Integrated |
| Special features | Intelligent torque and speed control logic Remote access Creep speed Permanent stand-by operation |
| Options | Self supported version Splash-Guard for motor attached version ATEX, MSHA, MA certification |

Power ranges

| Speed [rpm] | 1000 | 1200 | 1500 | 1800 |
|----------------------------|--------|------------------|---------|--------------------|
| TurboBelt 500 TPXL | – | 260 kW 348 HP | 500 kW | 600 kW 804 HP |
| TurboBelt 800 TPXL | – | 415 kW 556 HP | 800 kW | 960 kW 1286 HP |
| TurboBelt 1250 TPXL | 375 kW | 640 kW 858 HP | 1250 kW | 1500 kW 2010 HP |

TurboBelt TPXL coupling in multi motor drive configuration



Voith Group
St. Poeltener Str. 43
89522 Heidenheim
Germany

www.voith.com/fluid-couplings

Contact:
Phone +49 7951 32-409
hydrodynamic.couplings@voith.com



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